Jim

Memorandum

To: *Jeff Montera, Project Manager*

From: *Angela Frandsen, Quality Assurance Manager* ahf

Reviewed by: *Krista Lippoldt, Quality Assurance Coordinator for EPA Region VIII RAC*

Date: *November 14, 2002*

Subject: *Libby CSS QAM checklist for 10/20/02 to 11/2/02*

The following summarizes the QA activities that are being verified biweekly by the QAM for the Libby CSS. These activities are discussed in Section 7 of the CSS Final SAP. This memorandum covers the above-referenced two-week time period.

1. Field Team Orientation
   (QAM will attach the signature page for each orientation)
   Number of new field team members: 0
   Number of field team member orientations: 0

2. Field Form Completion Checks (IFFs and FSDSs)
   (QAM will perform a 10% check on completed field forms sent to Helena for evidence that field team members are doing the required QC checks.)
   Number of IFFs completed: 192 between 10/20 and 11/2/02
   Number of IFFs received in Helena: 180 (IFFs shipped to Helena would include those from 10/18 to 10/31 because they are shipped on Fridays)
   Number and percent of IFFs checked by the QAM for completeness and correctness: 20 (11.1%); no problems found.
   Corrective Action: None required
   Number and percent of IFFs checked by the CSS task leader for completion and correctness: 192, 100%

Number of FSDSs completed: 262 between 10/20 and 11/2/02
Number of FSDSs received in Helena: 257 (FSDSs shipped to Helena would include those from 10/18 to 10/31 because they are shipped on Fridays)
Number and percent of FSDSs checked by the QAM for completeness and correctness: 26 (10.1%); no problems found.
Corrective Action Taken: None required
Number and percent of FSDSs checked by the CSS task leader for completion and correctness: 279, 100%
Comment:

3. Supplemental Verification of Vermiculite Product
(CSS field team leader to notify QAM by email if this occurs)
Number of occurrences of supplemental verification: None
Addresses of verifications: NA

4. Screening Field Checks
(CSS task leader will check 2% of all properties)
Total number of properties sampled up to 11/2/02: 2918
Total number and percent of screening field checks performed by task leader: 4 checks during this two week time period; 54 (1.9%) properties have been checked overall.
Comment: CSS TL reminded that the percentage of screening field checks must be greater than 2% at the end of the field season.

5. Field Audits
Field audit conducted when and by whom? October 23 and 24, 2002 by Robert Alexander

6. Field QC Samples

Field Duplicates (1/20)
Number of field samples collected: 548
Number of duplicates collected: 30
Ratio: 1.09/20
Equipment Blanks (1/day)
Number of days soil sampling occurred: 10
Number of equipment blanks collected: 10
Ratio: 1.0/day

Aqueous Rinsates (1/day, 3 different weeks throughout field season)
Number of days expected to collect rinsates during the time frame: 6
Number of rinsates collected: 6
Ratio: 1/day
Next time period rinsates expected to be collected: No additional rinsates to be collected during this field season
Total number of rinsates collected since sampling began: 18 for CSS and 1 for Stimson Lumber sampling

Comment:

Preparation Duplicates (1/20)
Number of samples prepared by the CDM laboratory: 420 dried
Number of preparation duplicates collected: 21
Ratio: 1/20
Preparation Blanks (1/day)
Number of days that samples were prepared by the CDM laboratory: 4
Number of preparation blanks collected: 4
Ratio: 1/day
Comment:

SEM/IR Splits (first 500 samples: 1/5 of IR ≤ 0.5%, 1/10 of IR > 0.5% and ≥ 1%)
Total number of samples ≤ 0.5%: None yet
Number and percent of SEM/IR splits: None yet
Total number of samples > 0.5% and ≥ 1%: None yet
Number and percent of SEM/IR splits: None yet
Comment: No laboratory yet under contract to perform IR soil analysis. Anni Autio (laboratory coordinator) in charge of arranging this once laboratory is subcontracted.

7. Data Entry Checks (10% of Volpe data entry)
Number of data entries: None (no analytical results)
Number and percent of data entries checked: None (no analytical results - data entry to be checked after analytical data are uploaded into database)
Name of person(s) checking data entries: NA at this time

8. Data Validation
Number of samples validated and reviewed and by whom: None, no analytical results yet
Number of sample results rejected: 0 out of 0

9. CDM Document Review

Documents issued to the client: None
Which ones required Editorial Review and was review conducted? NA
Which ones required Technical Review and was review conducted? NA
Which ones required QA review and was review conducted? NA

Field Record of Deviation/Request for Modification forms completed and sent to EPA for approval: None

Overall Comments: The next memorandum will cover a three-week time period from 11/3/02 through the week ending 11/23/02 because CSS field work will be finished for the season. After field work is finished, QA concerns will shift to focus on requirements associated with laboratory QC, data entry, and data validation.

cc: Jim Christiansen, EPA
Mary Goldade, EPA
Mark Raney, Volpe
Krista Lippoldt, CDM
Dee Warren, CDM
Dave Schroeder, CDM
Terry Keller, CDM
George DeLullo, CDM
Tim Wall, CDM

CSS Task Leader Screening Field Checks (2% checks) for 10/20/02 - 11/2/02

BD Number	Address	Discrepancy and Corrective Action
BD-002994	1317 Louisiana	No issues
BD-003026	844 Farm to Market Rd	No issues
BD-002976	711 Commerce Way #5	No issues
BD-002944	240 Jay Effar Rd	No issues

PAUL P.

U.S. Department of Transportation
Research and Special Programs Administration

John A. Volpe National Transportation Systems Center
Kendall Square Cambridge, Massachusetts 02142

OPTIONAL FORM 99 (7-90)
FAX TRANSMITTAL # of pages ▶ 10

To Paul Peronard	From Julie Borgesi
Dept./Agency EPA	Phone # 617-494-2434
Fax # 303-312-6962	Fax # 617-494-2789

NSN 7540-01-317-7368 5099-101 GENERAL SERVICES ADMINISTRATION

November 18, 2002

Melvin and Lerah Parker
P.O. Box 609
Libby, Montana 59923

SDMS Document ID
2009591

Subject: Outstanding Restoration Issues at the Former Screening Plant

Dear Mr. and Mrs. Parker,

The purpose of this correspondence is to summarize some items discussed during our meeting on November 15, 2002 and to respond to your November 6, 2002 fax to me (Attachment 1). The fax included a list of issues that have not been finalized in writing for the restoration of the former screening plant. The following is your list of issues of concern and our response to each.

1. *Re-establishment of all prior property corners that were in place before the clean up began* – Following site restoration, a final site survey will be performed by the government and all property corners will be replaced.
2. *The right of way along highway 37 will have adequate agriculture and topsoil to provide the establishment and continual survival of grasses and shrubs* – Revegetation of the highway right of way will be conducted in accordance with the State of Montana Highway Department guidelines. Disturbed areas within the highway right of way will be hydroseeded.
3. *Replacement of a volume meter at the point where the Rainy Creek gravity system is diverted within a 5' culvert to irrigate the 16 acre tract below the highway* – The feasibility of taking water from Rainy Creek is currently being examined by the EPA, Volpe Center and CDM. If the use of the gravity system is re-established, the volume meter will be replaced.
4. *Stockpiling of 320 cy of topsoil on the restored property to provide for planting trees and shrubs after restoration is complete and contractors have exited the property* – A stockpile of 320 cy of topsoil will be left on-site once the restoration is complete at a location to be determined by the owners.
5. *The planting and replacement up through the maintenance period of 200+ trees currently located on the north side of highway 37* – During the revegetation effort the Parker's trees will be planted and maintained in accordance with the site revegetation design, to be finalized and approved by the Parkers prior to implementation. The government will replace any trees that have been stored and do not survive the maintenance period.
6. *The installment of some economically feasible filter system to contain any unacceptable levels of asbestos fibers at the head of the irrigation inlet 800' up the Rainy Creek Drainage*

– The feasibility of taking water from Rainy Creek is currently being examined by the EPA, Volpe Center and CDM.

7. *The installation of the electrical wire from the power pole to the meter base at the main house* – This item has been addressed in a previous correspondence from CDM to Volpe, entitled "Electrical Revision" faxed to you on September 17, 2002 (Attachment 2).

As discussed in our conference call on Friday November 15, 2002, the issues regarding topsoil have been resolved. The government will ensure adequate topsoil is provided as required for 6 inches of topsoil in accordance with the approved site restoration plans. The government will provide the information regarding the archaeological investigation to CDM to discuss with their contractor, Aaberg Cultural Resource Consulting Service to determine the location and status of the artifacts collected on your property. Should you have any questions, please call me at (617) 494-2434.

Sincerely,

Julie Borgesi

Julie Borgesi
Environmental Engineer

Attachments: (2)

cc: EPA/Paul Peronard, OSC
Volpe/John McGuiggin
File/Parker Restoration

FAX COVER SHEET

Raintree Nursery
Mel & Lerah Parker
P.O. Box 609
Libby, MT 59923
Lincoln

406-293-9705

SEND TO	From
Company name: VOLPE	Mel & Lerah Parker
Attention: JULIE BORBESI	Date: NOV-7/02
Office location: 1-617-494-2789	Office location: P.O. Box 609
Fax number:	Phone number: 406-293-9705

☐ Urgent ☐ Reply ASAP ☐ Please comment ☐ Please review ☒ For your information

Total pages, including cover: 3

COMMENTS

Julie,

HERE IS THE LIST of ISSUES WHICH ARE NOT DEFINED ON THE RESTORATION PLAN THAT WAS SIGNED. THESE ITEMS ARE NOT UNKNOWN TO E.P.A., VOLPE OR CDM BUT THEY HAVE NOT BEEN COMMITTED TO AND WE NEED TO GET CLOSURE BEFORE THE SHUTDOWN FOR WINTER.

Mel

NOV-06/02.

TO: Julie Borgesi PAGE-1

FROM: Mel Parker

RE: ISSUES WHICH HAD NOT BEEN FINALIZED, BUT HAD BEEN ADDRESSED AS PART OF THE RESTORATION OF THE FORMER SCREENING PLANT.

1.) RE-ESTABLISHMENT OF ALL PRIOR PROPERTY CORNERS THAT WERE IN PLACE BEFORE THE CLEAN-UP BEGAN.

2). THE R/W ALONG HI-WAY-37 WILL HAVE ADEQUATE AGRICULTURE AND TOP SOIL TO PROVIDE THE ESTABLISHMENT AND CONTINUAL SURVIVAL OF GRASSES AND SHRUBS. (RECOMMENDED 18" OF AGRICULTURE AND 6" OF TOP SOIL).

3). THE REPLACEMENT OF A VOLUME METER AT THAT POINT WHERE THE RAINY CREEK GRAVITY SYSTEM IS DIVERTED WITHIN A 5' CULVERT TO IRRIGATE THE 16 ACRE TRACT BELOW THE HI-WAY. (THIS IS CURRENTLY BEING VIEWED AS VIABLE IF THE WATER FROM RAINY CREEK IS TESTED AS ACCEPTABLE HOWEVER THE STATE OF MONTANA WATER RIGHTS BUREAU HAS MANDATED WATER VOLUME METERS ON ALL SOURCES OF INTAKES FROM SURFACE WATER AS OF ~~1990~~ 1998. THE E.P.A. IS ONLY REQUIRED TO REPLACE THE METER ON THE UPPER RAINY CREEK GRAVITY SYSTEM. WE ARE COMMITTED ON ALL OTHERS.

4) STOCKPILING OF 320 YARDS OF TOP SOIL ON THE RESTORED PROPERTY TO PROVIDE FOR THE PLANTING OF TREES AND SHRUBS AFTER RESTORATION HAS BEEN COMPLETED AND CONTRACTORS HAVE EXITED THE PROPERTY.

5) THE PLANTING AND REPLACEMENT UP THROUGH THE MAINTENANCE PERIOD OF 200+ TREES CURRENTLY LOCATED ON THE NORTH SIDE OF HI-WAY 37. WE ARE ENTERING OUR THIRD WINTER WITH THESE TREES IN A BALLED AND BURLAP OR POTTED CONDITION AND THE GENERAL CONSENSUS OF THESE TYPE OF NURSERY GROWERS IS THAT MORTALITY RATES WILL INCREASE AT A GREATER RATE WITH THE PASSAGE OF TIME.

6) THE INSTALLMENT OF SOME ECONOMICALLY FEASIBLE FILTER SYSTEM TO CONTAIN ANY UNACCEPTABLE LEVELS OF ASBESTOS FORM FIBERS AT THE HEAD OF THE IRRIGATION INLET 800' UP THE RAINY CREEK DRAINAGE.

7) THE INSTALLATION OF THE ELECTRICAL WIRE FROM THE POWER POLE TO THE METER BASE AT THE MAIN HOUSE. THIS COST WAS A PART OF THE INFRASTRUCTURE. COST NOT REIMBURSED TO THE PARTNERS BUT TAKEN BY THE E.P.A. AS PART OF ITS RESTORATION PLAN.

CDM
One Cambridge Place, 50 Hampshire Street
Cambridge, Massachusetts 02139
tel: 617 452-6000
fax: 617 452-8000

FAXED 9/19/02 to Parkers

August 28, 2002

Mr. John P. McGuiggin, P.E.
Ms. Julie Borgesi
U.S. Department of Transportation
Volpe National Transportation Systems Center
55 Broadway, DTS-33, Kendall Square
Cambridge, Massachusetts 02142

Subject: Libby, Montana Asbestos Project
Screening Plant Restoration
Electrical Revision

Dear Mr. McGuiggin and Ms. Borgesi:

CDM Federal Programs Corporation (CDM) understands a temporary electric service has been authorized at the Screening Plant site to power the river pumps, well, and the creek pump receptacles until the owner's houses are constructed and permanent electrical service is installed by the property owner. Based on the electrical drawings approved in May, the following is a summary of the additional work and/or changes to the work shown to provide a temporary electrical service to the site at this time:

1. Furnish and install a combination meter and service entrance rated load center in between the proposed location for Dwelling No. 1 and HH-1. Coordinate location with the Government and property owner. Load Center shall be a single meter socket and distribution section in one unit. Meter section shall be completely segregated from the distribution section. Unit shall be rated NEMA 3R, rain tight, painted steel. Unit shall be UL listed for service entrance, with provisions for padlocking on both sections. Distribution shall be 120/240 Volt, Single Phase, 125 Amp copper bus, 100 Amp Main circuit breaker, and 6-20A-1P branch circuit breakers. All circuit breakers shall be rated for 22K AIC. Meter section and socket shall meet all requirements of Flathead Electrical Cooperative (FEC). Unit shall be Type "EQ Meter Load Center" by Siemens Electrical Products and Systems or equal combination load center approved by FEC.

CDM

2. Install a new handhole "HH-0" approximately 30 feet from the approximate northeast corner of Proposed Dwelling No. 1 in the electrical service ductbank run from the transformer location. Extend two 3" conduits from the south side of HH-0 to within 10 feet of the proposed dwelling location as shown on Drawing E-1, and terminate as directed in Note 2 on Drawing E-1. Additionally, extend two 3" conduits from the east side of HH-0 to the new meter/panel location on the south side of the proposed dwelling. The approximate locations of the temporary meter/panel and HH-0 are shown on the attached portion of Drawing E-1.

3. New meter/panel combination shall be securely mounted on two 4" stainless steel uni-strut supports anchored in concrete bases similar to the details for the pump disconnects shown on Drawing E-2. Panel shall be mounted a minimum of 48" above grade (to the bottom of the enclosure).

4. One of the electrical service conduits shall be terminated in the meter section of the panel (C2), and the other (S1) shall be stubbed up 24" above grade and capped with a watertight cap. Conduit tags reference Section 7 on Drawing E-2.

5. Coordinate with FEC to provide a 120/240 Volt, 100 Ampere, 1 Phase service for the pump system. The service will need to be upgraded by the property owner at the time the dwellings are constructed.

6. 4-2" conduits (C4, C5, C7, C8) shall be installed into the panel section and connected to branch circuit breakers for power supply to River Pump #1, #2, and Rainy Creek Pump #1, #2 (receptacles). Conduit tags reference Section 8 on Drawing E-2.

7. The temporary service shall be removed by the property owner when the new dwellings are constructed. The service shall be removed back to the transformer location, and the temporary conduit from HH-0 to the meter/panel shall be removed. The property owner will provide electric service to a new electrical panel (permanent service) in Dwelling No. 1 at the time the dwelling is constructed. The pump circuits shall be extended form HH-1 into Dwelling No. 1 and connected to circuit breakers in the main panel as shown on Drawing E-2.

CDM

Mr. John McGuiggin, P.E.
Ms. Julie Borgesi
August 28, 2002
Page 3

A cut sheet of the combination meter/panel specified above is enclosed for reference. All other materials were included on the approved drawings and in the original specifications. A copy of the affected portion of the electrical site plan showing the approximate location of the new handhole and the meter panel location as described above.

If you have any questions or would like to discuss these changes further, please do not hesitate to call me at 617-452-6270, or CDM electrical engineer Barry Squibb at 617-452-6471. If this information is satisfactory, please forward a copy to MARCOR and the property owner.

Very truly yours,

Peter J. Borowiec, Jr.

Peter J. Borowiec, Jr., P.E.
Task Manager
CDM Federal Programs Corporation

cc: Timothy B. Wall (CDM Cambridge)
David C. Schroeder (CDM Libby)
Thomas E. Cook (CDM Libby)
Barry D. Squibb (CDM Cambridge)

idential and Small Commercial Products
Meter Combinations

mbinations join a single phase cket and distribution section into The meter section is completely from the distribution section.

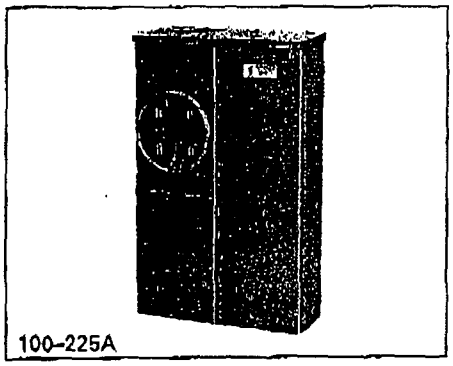
it is 22kA IR rated and weather to NEMA 3R standards. Each ty G90 galvanized steel enclo- an electrodeposited ANSI-61 paint finish. Every unit is listed writers Laboratories and meets 2.7 specifications. Many units SERC specifications. See cur- edfax for details.

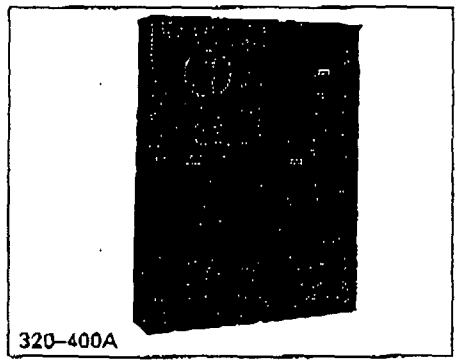
on is either surface or semiflush andard plaster flange. Service ons for either underground or feed are conveniently located in on utility pull section with security s for either padlocking or sealing. are supplied with line terminals in rground feed position and can be nverted to overhead feed.

125 ampere meter load centers ter sockets rated for continuous either a 24-circuit, 12-space, rcuit, 16-space load center. 200 meter load centers have a 200 continuous duty rated meter and either a 24-circuit, 12-space, t, 20-space, or a 40-circuit 40- ad center. 200 ampere, 8-circuit, and 16-circuit, 8-space, are with feed-thru lugs for trailer ions.

400 ampere meter load centers er bypass, non-bypass, or bolt-on with 40-circuit, 30-space load

Main units are available with main of 125, 200 and 320 amperes ter sockets rated for continuous ach has provisions for one or two stalled 2-pole circuit breakers.


100–225A

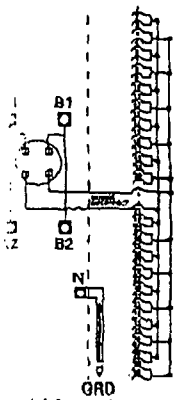

320–400A

Features: 100–225A

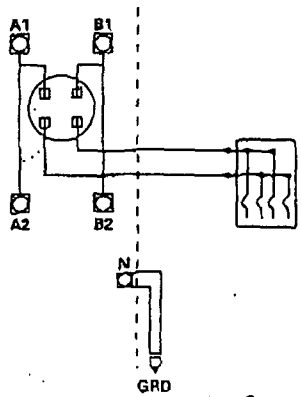
- 1Ø, 3 wire, 120 / 240V, or 120 / 208V
- UL Listed
- Built to ANSI C12.7 Standards and EUSERC Specifications
- Underground / overhead service connection in a single unit
- Surface or semi-flush mounting
- One-person installation
- Rainproof to NEMA Type 3R Standards
- Heavy-Duty G90 galvanized steel enclosures
- Electrodeposited, ANSI-61 light gray paint finish
- Meter load centers in 100, 125, 150, 200 and 400A capacities
- Meter Mains in 100, 125, 150 and 200A capacities
- Feed through and sub feed panels rated 150 and 200A capacity
- Bussing either plated Al or Cu
- Bussing is fully supported and accepts Siemens plug-in circuit breakers featuring both thermal and magnetic overload protection
- Fifth Jaw can be installed in the 9 o'clock position
- Perfect for residential (including manufactured homes), rural or temporary construction sites
- Approved for use by many utilities nationwide. Check local utility for approval

Additional Features: 320 and 400A

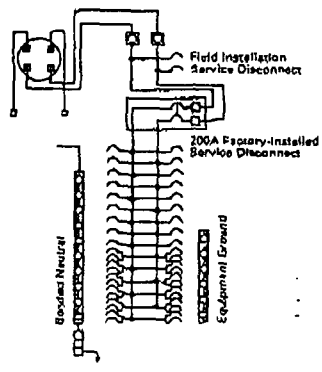
- Available with Class 320A (400A maximum) Lever Bypass or Non Bypass Socket and 400A Bolt-on Socket
- Available with a 400A main breaker or one 200A main breaker with a provision for up to one 200A maximum Subfeed Main
- Surface mount, NEMA 3R construction
- Meets EUSERC Requirements (check local utility for approval)
- 120 / 240V, 1 Phase, 3 Wire



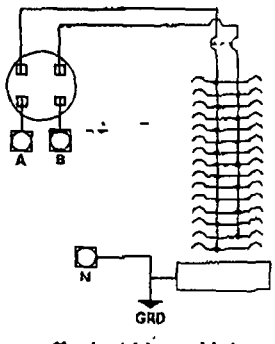
ical Meter Load Center①



Typical Meter Main①

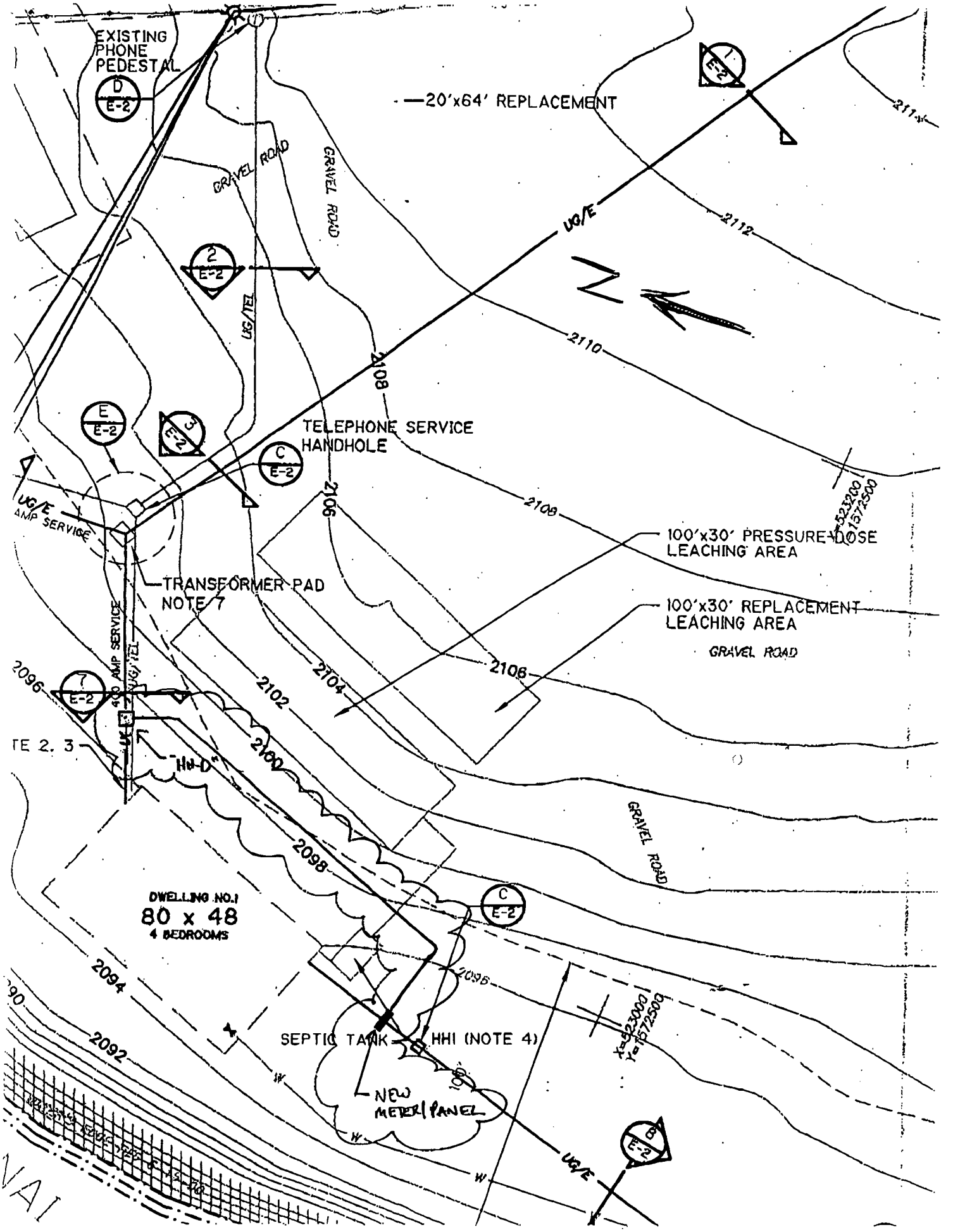


Typical Meter Load Center 320 / 400A②



Typical Meter Main 320 / 400A②

urrent Siemens Speedfax for more detailed drawings.
Table 19.4 for actual number of circuits.
Table 19.5 for actual number of circuits.
Meter Combinations use Siemens QP type family of breakers — see pp. 298 to 302 for detailed information.


EXISTING PHONE PEDESTAL
D E-2
20'x64' REPLACEMENT
1 E-2
GRAVEL ROAD
GRAVEL ROAD
UG/E
2112
2 E-2
UG/TEL
2110
2108
E E-2
3 E-2
TELEPHONE SERVICE HANDHOLE
C E-2
UG/E AMP SERVICE
2106
2108
X=923200 Y=1572500
100'x30' PRESSURE DOSE LEACHING AREA
TRANSFORMER PAD NOTE 7
100'x30' REPLACEMENT LEACHING AREA
GRAVEL ROAD
400 AMP SERVICE
UG/TEL
2096
7 E-2
2102
2104
2106
TE 2, 3
HH-D"
2100
2098
GRAVEL ROAD
DWELLING NO.1
80 x 48
4 BEDROOMS
C E-2
2094
2096
2092
X=923000 Y=1572500
SEPTIC TANK
HHI (NOTE 4)
NEW METER/PANEL
W
UG/E
B E-2